

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-4 (cancelled)

5. (new) Automatic analysis or inspection system for objects travelling on a support, comprising at least one illumination means, preferably with a wide spectrum, and at least one detection means or detector, both placed above the flow of objects, system characterised in that the objects (2) are at least in part transparent, in that said support (3) reflects in a diffused manner most, at least 50%, of the light received in the spectral range concerned and in that detection of the presence of transparent objects is based on the exploitation of the lower luminance of said objects compared with that of the support (3).

6. (new) System according to claim 5, characterised in that the support (3) reflects at least 70% of the light received.

7. (new) System according to claim 5, characterised in that the surface of the support (3) on which the objects (2) rest is coloured white.

8. (new) System according to claim 5, characterised in that it comprises a multi-band detector (5) of which the respective absorptions or luminances allow discrimination of where the pixel recorded belongs compared with the average luminance or absorption, said pixel only belonging to the support (3) if

the average luminance and the luminances of all the bands are close to 1.

9. (new) System according to claim 5, characterised in that it comprises a multi-band detector (5) of which the differential absorptions between the various bands provide useful information for distinguishing the objects (2), said detector (5) receiving principally a fraction of light (T) that has traversed four thicknesses of the objects.

10. (new) System according to claim 5, characterised in that it also comprises a cleaning means or station (7) for the surface of the support (3) carrying the objects (2), said support being in the form of an endless conveyor belt travelling in a loop.